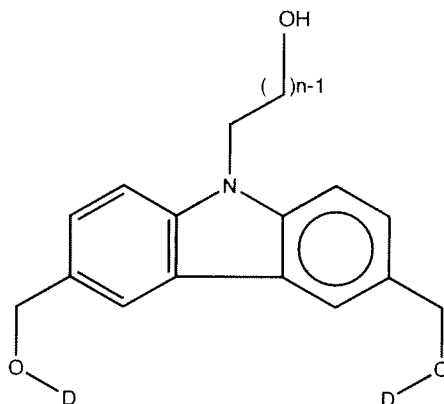


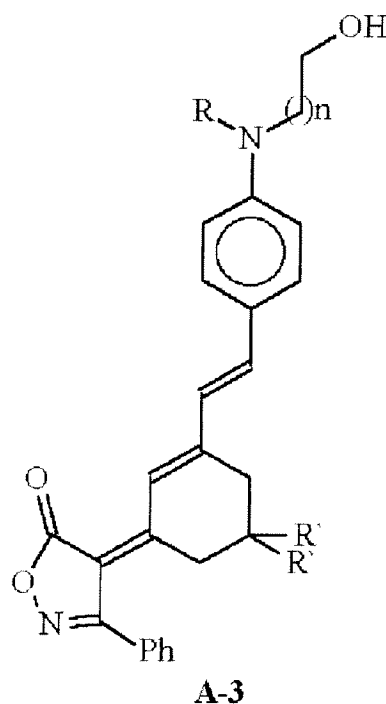
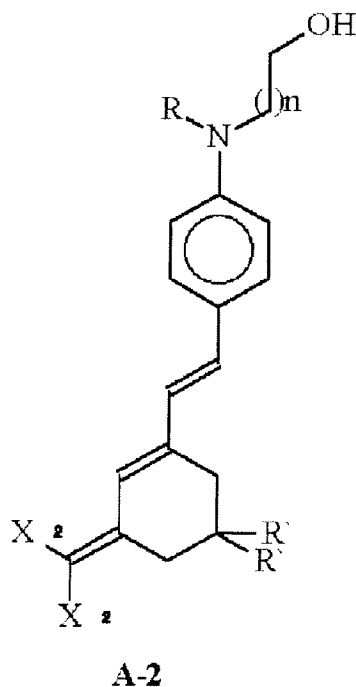
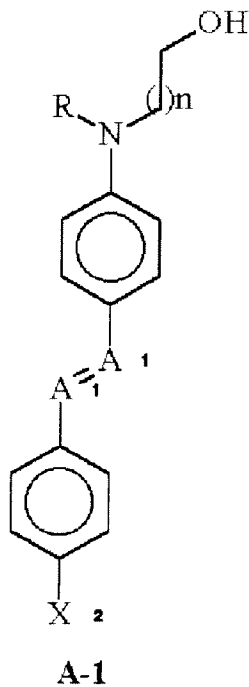
AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An optical polymeric compound ~~containing~~ obtained from a reaction of polyimide repeating units ~~to which~~ and an organic dye molecular material having the following formula ~~is coupled~~:



where D is an organic chromophore molecule, and n is an integer from 1 to 10.

2. (Currently Amended) The optical polymeric compound of claim 1, wherein the organic chromophore molecule D has a structure selected from the following formula (A-1), (A-2) and (A-3) in which each chromophore molecule is shown as D-OH:

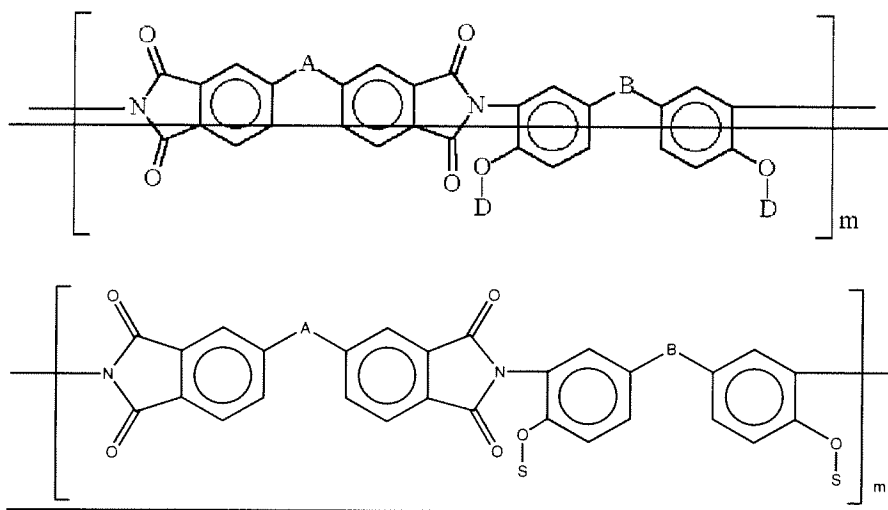


where R and R' are each independently alkyl or phenyl groups having 1 to 10 carbon atoms, A₁ is carbon or nitrogen, X₂ is NO₂, a sulfonyl-substituted or unsubstituted alkyl group having 1 to 10 carbon atoms, CN, -C(CN)=C(CN)₂, ~~an ester group, a carbonyl group,~~ a halogen element, or a haloalkyl group, and n is an integer from 1 to 11.

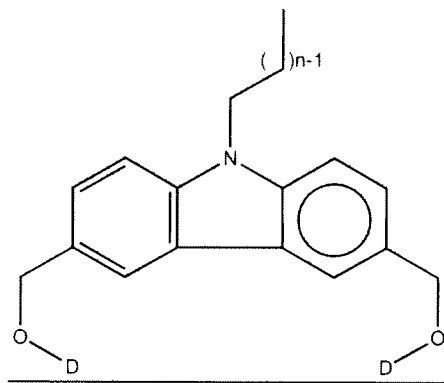
3. (Original) The optical polymeric compound of claim 1, having a number average molecular weight of 5,000-500,000.

4. (Original) The optical polymeric compound of claim 1, having a homopolyimide backbone.

5. (Currently Amended) ~~The An~~ optical polymeric compound of claim 1, ~~wherein the polyimide repeating unit has~~ containing polyimide repeating units and organic dye molecular groups, wherein the optical polymeric compound has the following formula:

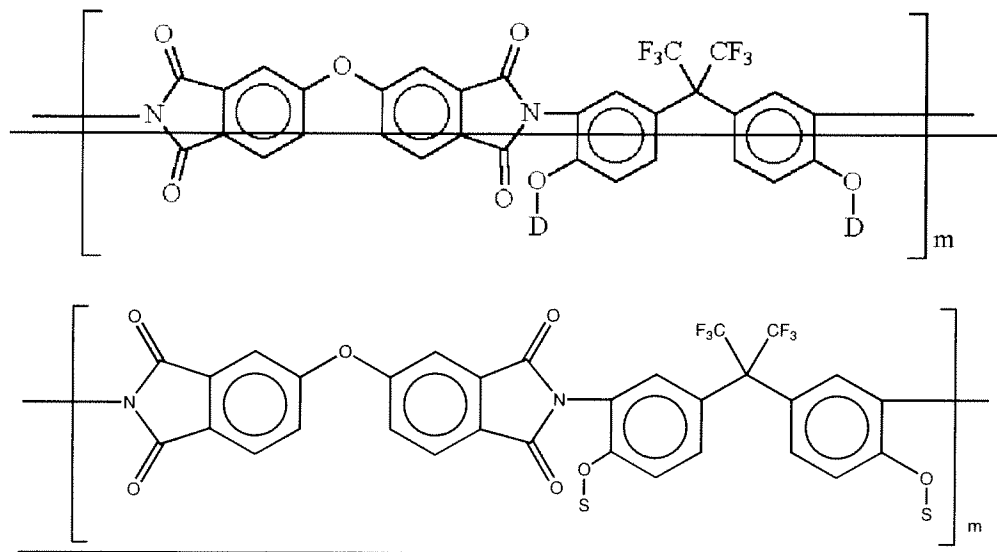


where S is an organic dye molecular group having a structure of the following formula:



where D is an organic chromophore molecule, and n is an integer from 1 to 10, and where A and B are each independently fluorocarbon-substituted or unsubstituted hydrocarbons having 1 to 4 carbon atoms, oxygen, nitrogen, or sulfur, and m is in the range of 0.01 to 1 as the ratio of the polyimide repeating units to all the repeating units of the optical polymeric compound.

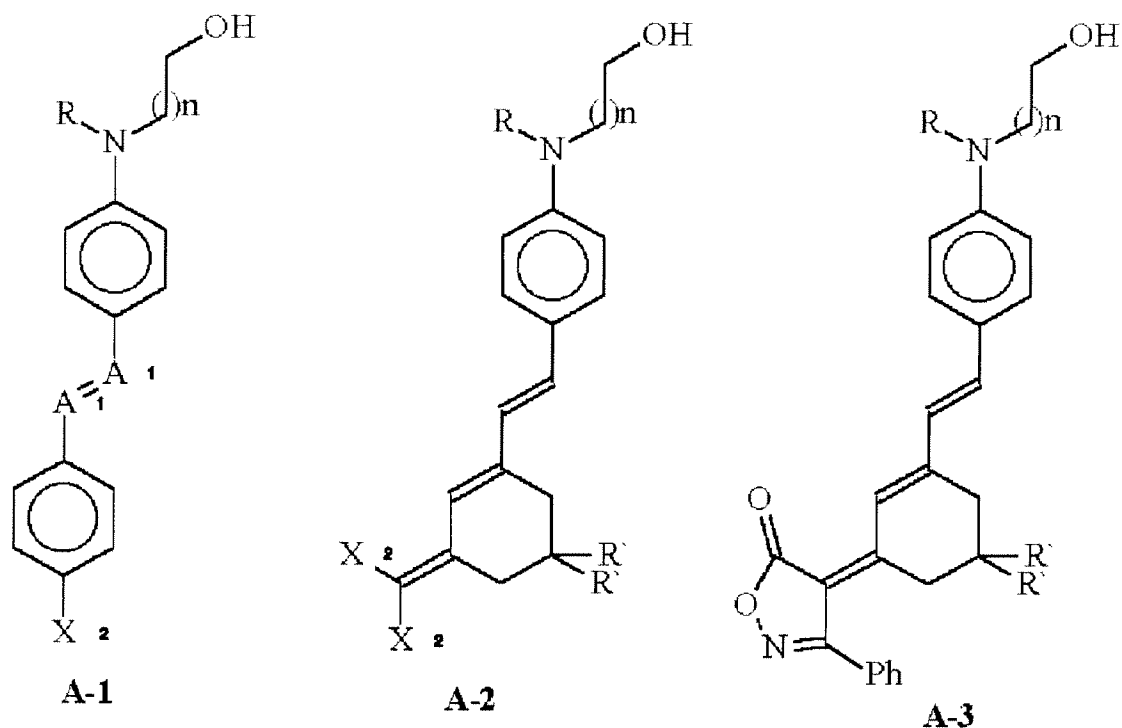
6. (Currently Amended) The optical polymeric compound of claim 5, wherein the ~~polyimide repeating unit~~ optical polymeric compound has the following formula:



7. (Original) The optical polymeric compound of claim 5, wherein the polyimide repeating unit contains 10-55% by weight the organic chromophore molecule D.

8. (Currently Amended) The optical polymeric compound of claim 5, wherein the polyimide repeating unit ~~is coupled with~~ contains at least one organic chromophore molecule

selected from the group of organic chromophore molecules having the following formula (A-1), (A-2) and (A-3) in which each chromophore molecule is shown as D-OH, or with a combination of the organic chromophore molecules in a predetermined ratio:



where R and R' are each independently alkyl or phenyl groups having 1 to 10 carbon atoms, A₁, is carbon or nitrogen, X₂ is NO₂, a sulfonyl-substituted or unsubstituted alkyl group having 1 to 10 carbon atoms, CN, -C(CN)=C(CN)₂, ~~an ester group, a carbonyl group,~~ a halogen element, or a haloalkyl group, and *n* is an integer from 1 to 11.